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## Memo

*DATE:* November 30, 2001

*TO:* RHIC E-Coolers

*FROM:* Ady Hershcovitch

*SUBJECT:* **Minutes of the November 30, 2001 Meeting**

Present: Michael Harrison, Ady Hershcovitch, Jorg Kewisch, William MacKay, Satoshi Ozaki, Stephen Peggs, Dong Wang, Jie Wei.

Topics discussed: R&D Plan, RF Cavities, Proton Cooling.

**R&D Plan:** prior to the meeting Ilan had e-mailed us a draft proposal, for funding of electron cooling R&D, to be submitted to DOE/NP. However, Ilan was unable to attend. Waldo started the meeting with a discussion of the plan. Satoshi indicated that no previous proposals had been submitted independently to DOE/NP. Satoshi suggested submitting the proposed R&D program as an attachment to FWP.

Mike suggested adding a 2 – 3 paragraph executive summary, which he volunteered to write up before the next meeting. The executive summary can be included in the FWP, and as introduction for the proposal. The existing introduction would then become an abstract. Suggestions were made to add a rough schedule and a drawing of the proposed setup. Jorg plans to work on the drawing.

**RF Cavities:** Mike reminded us that DESY had agreed to build us RF cavities during FY02 to be paid for in FY03. Therefore, a decision is needed very soon.

**Proton Cooling:** Steve opened a discussion on proton cooling. There are three possibilities:

1. Ongoing polarized proton run may show that cooling is not needed.
2. Perform proton cooling at injection (25 GeV) if the electron beam energy can be easily reduced.
3. Cool at 100 GeV.